

Amendments to the Specification

Please amend the Abstract at page 22, lines 6-14 with the following amended paragraph:

A1 A branch predictor generates an index to access a branch prediction table storing branch prediction reference data therein, ~~considering The index is generated in response to a combination of a branch history, a branch instruction address, and a process ID. The process ID is derived from one of multiple processes operating on a multi-processing computer with which the branch predictor is associated.~~ Accordingly, although context switching frequently occurs and a plurality of processes are under operation simultaneously in single processor, the branch predictor has a high hit ratio of branch prediction. From the standpoint of an operating system of a computer system, the hit ratio is enhanced to reduce a stall phenomenon in the pipeline. As a result, program execution time can be shortened.